

BOEING®

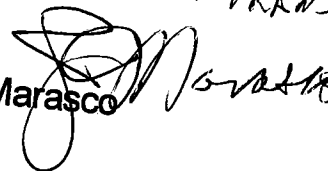
Boeing Realty Corporation

MADID

I TOOK 3 SETS RESPONSE
TO THE CITY OF LOS ANGELES
REVIEW SHEET DATED
OCT. 4 1999

TO BUILDING & SAFETY
OUR CLAIM CHECK # 28904-1
+ A SIGNED LETTER OF TRANSMITTAL

Johnny Marasco



REPORT FROM FILE OUR COPY



SOILS AND GEOTECHNICAL CONSULTANTS

10641 HUMBOLT STREET
LOS ALAMITOS, CA 90720
PHONE 562.799.9469
FAX 562.799.9459

NorCal Engineering

Soils and Geotechnical Consultants
10641 Humbolt Street Los Alamitos, CA 90720
(562)799-9469 FAX (562)799-9459

October 20, 1999

Project Number 5936-96

Boeing Realty Corporation
4060 Lakewood Boulevard
Long Beach, California 90808-1700

Attn: Mr. Johnny Marasco

RE: Response to City of Los Angeles Review Sheet dated October 4, 1999 –
Proposed Harbortate Way Development – Located at 1414 West 190th Street, in
the City of Los Angeles, California

Dear Mr. Marasco:

The following is in response to the above referenced review sheet of our report dated August 19, 1999. Items on the review are addressed in the same order in which they appear, for clarity.

Item 1

Import soils were generally approved for use on site by their expansion index and maximum density characteristics. Direct shear testing of the soils should be included as a part of a site-specific geotechnical investigation once development plans are decided on.

Item 2

Fill soils are currently classified as "secondary" and are suitable for support of additional fill soils, slabs and pavement. (Note: A detailed subsurface investigation including proper laboratory analysis of the graded soils may be completed in order to change the classification of the graded fill to "primary", and suitable for support of structural foundations.)

Item 3

The attached plans show approximate limits and depth of fill soils placed on the property along with compaction test locations. No subdrains were installed during grading.

Item 4

Soil bearing pressures, depths of embedment and other design parameters shall be established after a detailed investigation of the property as it relates to the planned development of the property is completed.

Item 5

As stated in paragraph 1, page 2 of our report, fill soils were mechanically compacted with conventional (rubber-tire and track-mounted) grading equipment in lifts no greater than 8 inches in thickness.

Item 6

As stated in paragraph 2, page 1 of our report, all excavation bottoms were observed and approved by NorCal Engineering prior to placement of fill soils.

Item 7

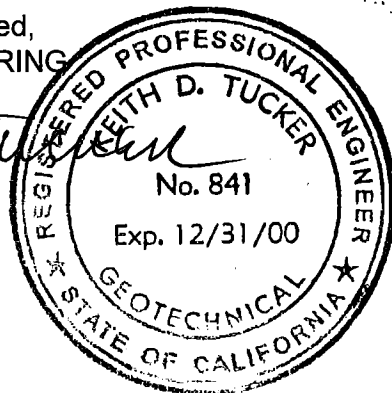
The information requested is included in the attached certificate.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING

Keith D. Tucker

Keith D. Tucker
Project Engineer
R.G.E. 841



Mark A. Burkholder

Mark A. Burkholder
Project Manager

NorCal Engineering

NorCal Engineering

Soils and Geotechnical Consultants
10641 Humbolt Street Los Alamitos, CA 90720
(562)799-9469 FAX (562)799-9459

CITY OF LOS ANGELES

DEPARTMENT OF BUILDING AND SAFETY

ENGINEER'S CERTIFICATE OF COMPLIANCE FOR COMPACTED EARTH FILLS

JOB ADDRESS: Harbortate Way bet. 190th & 203rd Street (1414 190th St.), Los Angeles

LEGAL DESCRIPTION: Tract No. 52172

SOIL TESTING AGENCY: NorCal Engineering

PROPERTY OWNER'S NAME: Boeing Realty Corporation

OWNER'S ADDRESS: 4060 Lakewood Boulevard, Long Beach 90808-1700

PER REPORTS ON OUR PROJECT NUMBER: 5936-96

DATE OF WORK STARTED ON PROJECT: 6/18/98

DATE FILL WAS COMPLETED: 11/6/98

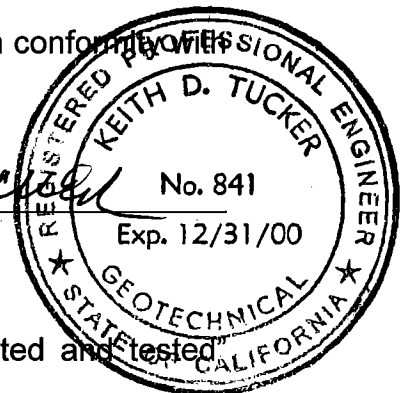
DATE OF THIS CERTIFICATE: 8/19/99

TO THE SUPERINTENDENT OF BUILDING:

I hereby certify that I have personally inspected and tested the placing of compacted earth fill on the above described property, and on the basis of these inspections and tests it is my opinion that the same was placed in conformity with the requirements of the Los Angeles City Building Code.

Keith D. Tucker

Keith D. Tucker
R.G.E. 841



*For the purpose of this certificate, to have "personally inspected and tested" shall include inspection and testing performed by any person responsible to the licensed engineer signing this certificate. Where the inspection and testing of all or part of the work above is delegated, full responsibility shall be assumed by the licensed engineer whose signature is affixed thereon.

BOARD OF
BUILDING AND SAFETY
COMMISSIONERS

LEE KANON ALPERT
PRESIDENT

MABEL CHANG
VICE-PRESIDENT

CORINA R. ALARCON
JEANETTE APPLEGATE
JOYCE L. FOSTER

CITY OF LOS ANGELES
CALIFORNIA



RICHARD J. RIORDAN
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DEPARTMENT OF
BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

ANDREW A. ADELMAN
GENERAL MANAGER

RICHARD E. HOLGUIN
EXECUTIVE OFFICER

October 4, 1999

COMPACTION FILE 5

Boeing Realty Corporation
4060 Lakewood Blvd.
Long Beach, CA 90808-1700

LOG # 28904

TRACT: 52172-02
BLOCK: ----
LOT : ----
LOCATION: 1414 WEST 190TH STREET


PERMIT No. 98030-10000-00170
DIST. MAP No. 57B193

Soils Compaction Report No.5936-96, dated August 19, 1999, prepared by Norcal Engineering. The above compaction report has been reviewed by the Grading Section of the Department of Building & Safety. The report cannot be approved at this time. The review of the report will be continued upon submittal of an addendum report addressing, but need not be limited to, the following:

1. Please provide shear test for the imported soil.
2. State the purpose and use of the fill.
3. Show approximate depth of fill, location of compaction tests, locations and elevation of subdrain and limits of fill on the plot plan
4. Specify the allowable soil bearing values and depth of embedment if the fill is to be used to support structures in the compaction report
5. Describe methods of mechanical compaction, thickness of layers of fill.
6. State if bottom of fill is inspected and approved by the geotechnical engineer.
7. Provide complete legal description and name and address of the property owners on the Engineer's Certificate of Compliance for the Compacted Earth fill.

NOTE: Items not approved by the Department may be addressed through the filing of a Request for Modification of Building Ordinances. However, their filing and the payment of the required appeal processing fee shall not be construed that such requests will be approved.

David Hsu
Chief of Grading Section


Negishi H. Girmay
Engineering Geologist Assoc.
(213)977-6329
Log # 28904

cc: Norcal Engineering
Alex Velazquez, WLA District Office

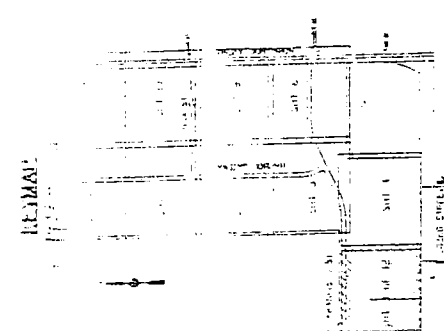
NOTE: Grading oversized document is/is not attached. (Document Type 92)



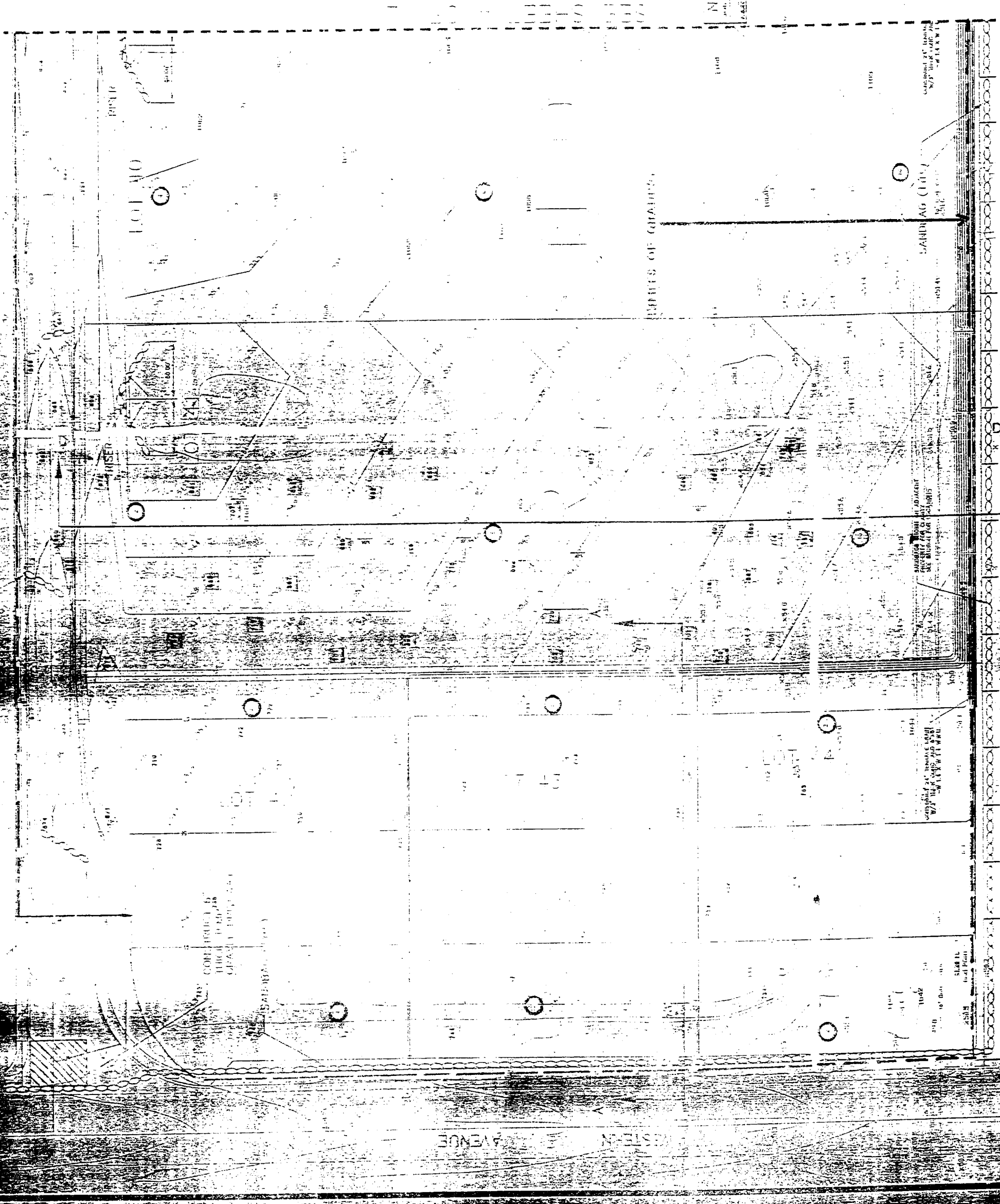
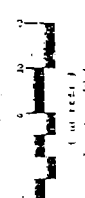
DATE: 04/10/01
DRAWN BY: J. D. [illegible]
REVISION NO. 1
JOB NO. 002258

GRADING PLAN
BOILING GATEWAY
HARBOR GATEWAY
LINE BEARS TO BE SET
FOR CONSTRUCTION

TAT & ASSOCIATES, INC.
1111 1200
BOX 4429
MILWAUKEE, WISCONSIN 53208
(414) 560-8200
(414) 560-8201 FAX
MILWAUKEE, WISCONSIN 53208



Noted Engineering
DATE: 04/10/01
BY: J. D. [illegible]



DRAWN: LV
DATE: 06/02/98
O.K'D: P.C.
REVISION NO.: 5
DATE: 5/18/99
JOB NO: SP1289

BOEING REALTY CO.
4060 LAKEMOOD BLVD. 6TH FLOOR
LOS ANGELES, CA 90008-1700
HARBOR GATEWAY

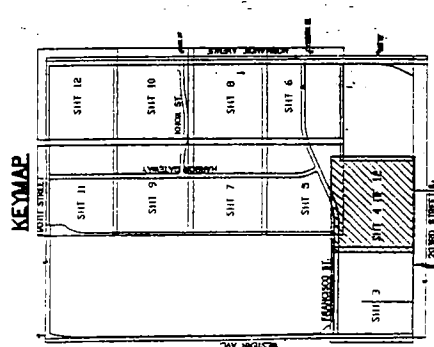
TAT & ASSOCIATES, INC.
1100 TOWN & COUNTRY,
SUITE 1200
P.O. Box 4429
Orange, California 92668
(714) 560-8200
FAX (714) 560-8211



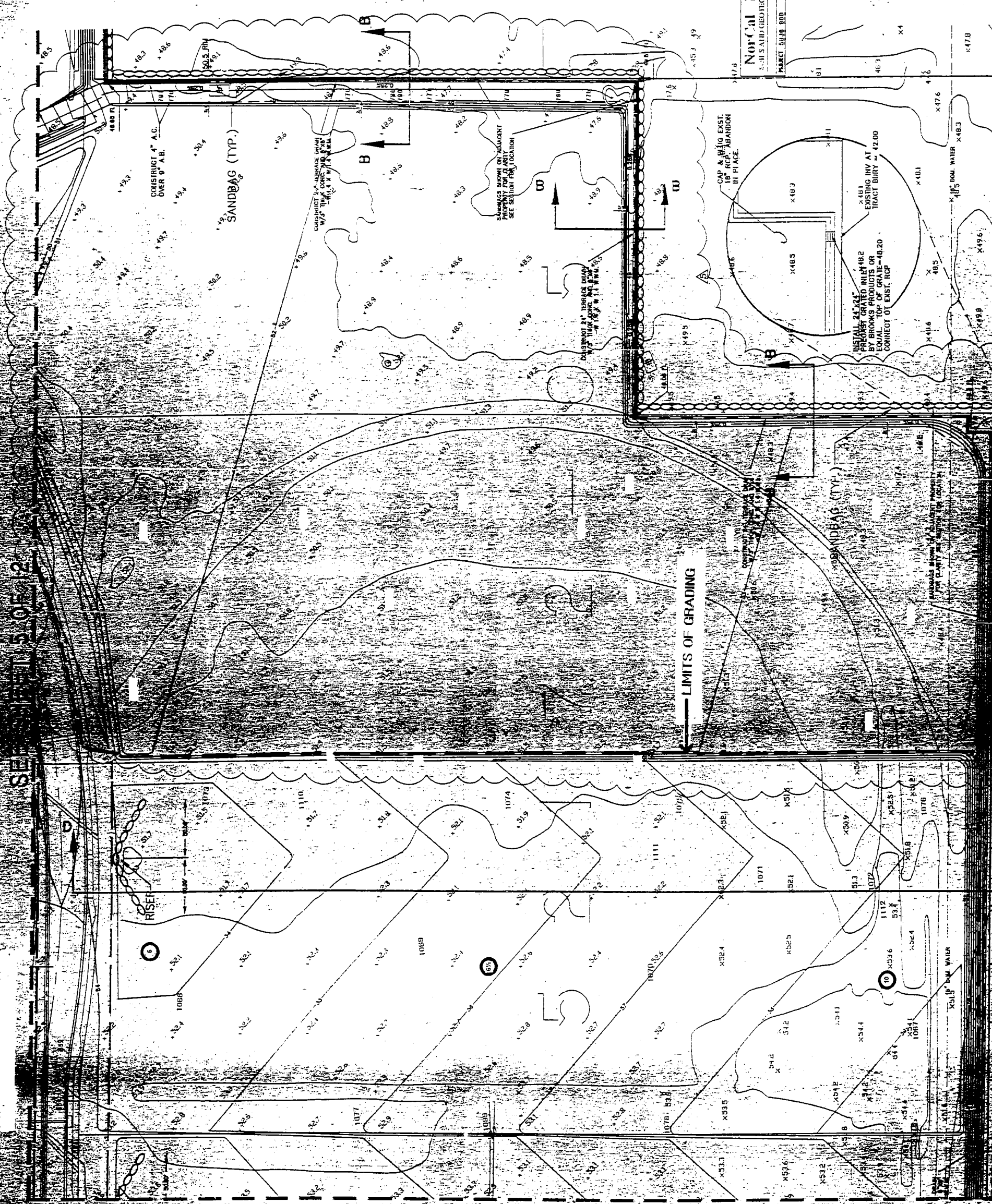
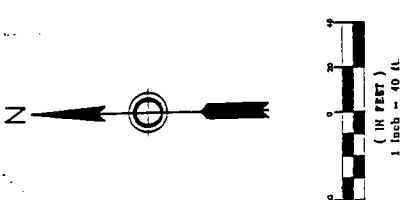
NO.	DESCRIPTION	BY	DATE	CHK
1	REV. GRADE LOT 13 FOR	JV		PC
2	ADDED DRAIN INLET	PC		PC
3	Revised slope at inlet 5/4/99	JV	5/4/99	PC
4	Revised lot 13 & 14 5/18/99	JV	5/18/99	PC

GRADING PLAN

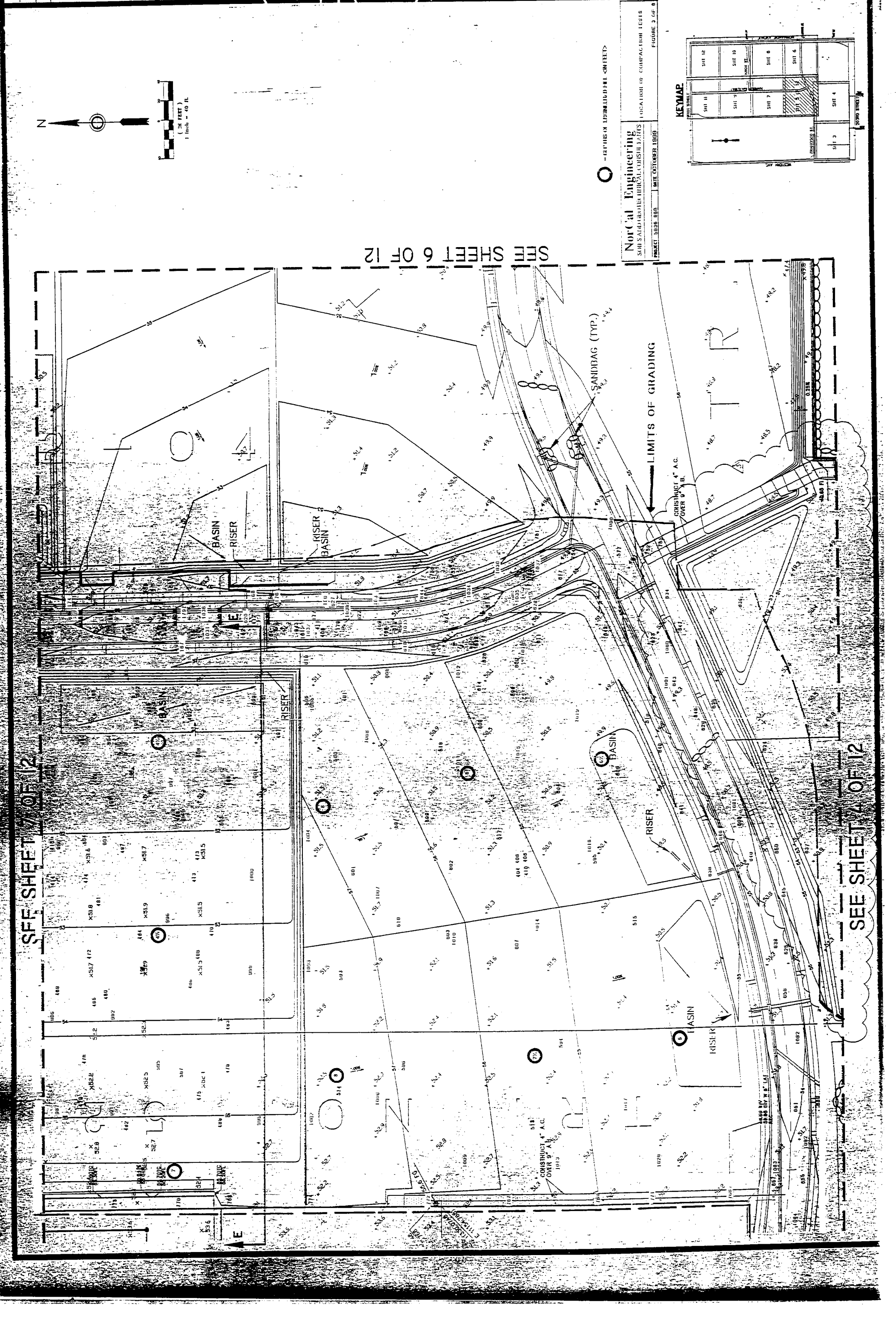
Non-Cal Engineering
SLOPE AND GEOTECHNICAL CONSULTANTS
PROJECT SUB BED DATE OCTOBER 1999
LOCATION OF COMPACTION TESTS
FIGURE 2 OF 6



○ = IMPRINT OF ENGINEER FULL <IN FEET>



SEE SHEET 3 OF 12



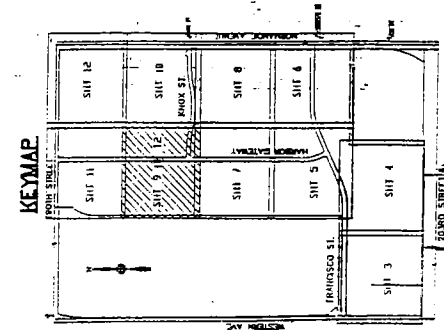
DRAWN: LV
DATE: 04/10/98
C/D: P
REVISION NO:
JOB NO: SP32289

PROJECT: HARBOR GATEWAY
4060 LAKEMOOD BLVD, 5TH FLOOR
LOS ANGELES, CA 90005-1700
BOEING REALTY CO.

TAT & ASSOCIATES, INC.
1100 TOWN & COUNTRY
SUITE 1200
Orange, California 92668
(714) 560-8200
(714) 560-8211 FAX
Phoenix, AZ
San Diego, CA
Sacramento, CA
Concord, CA

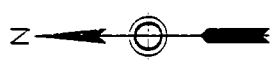
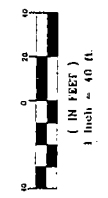
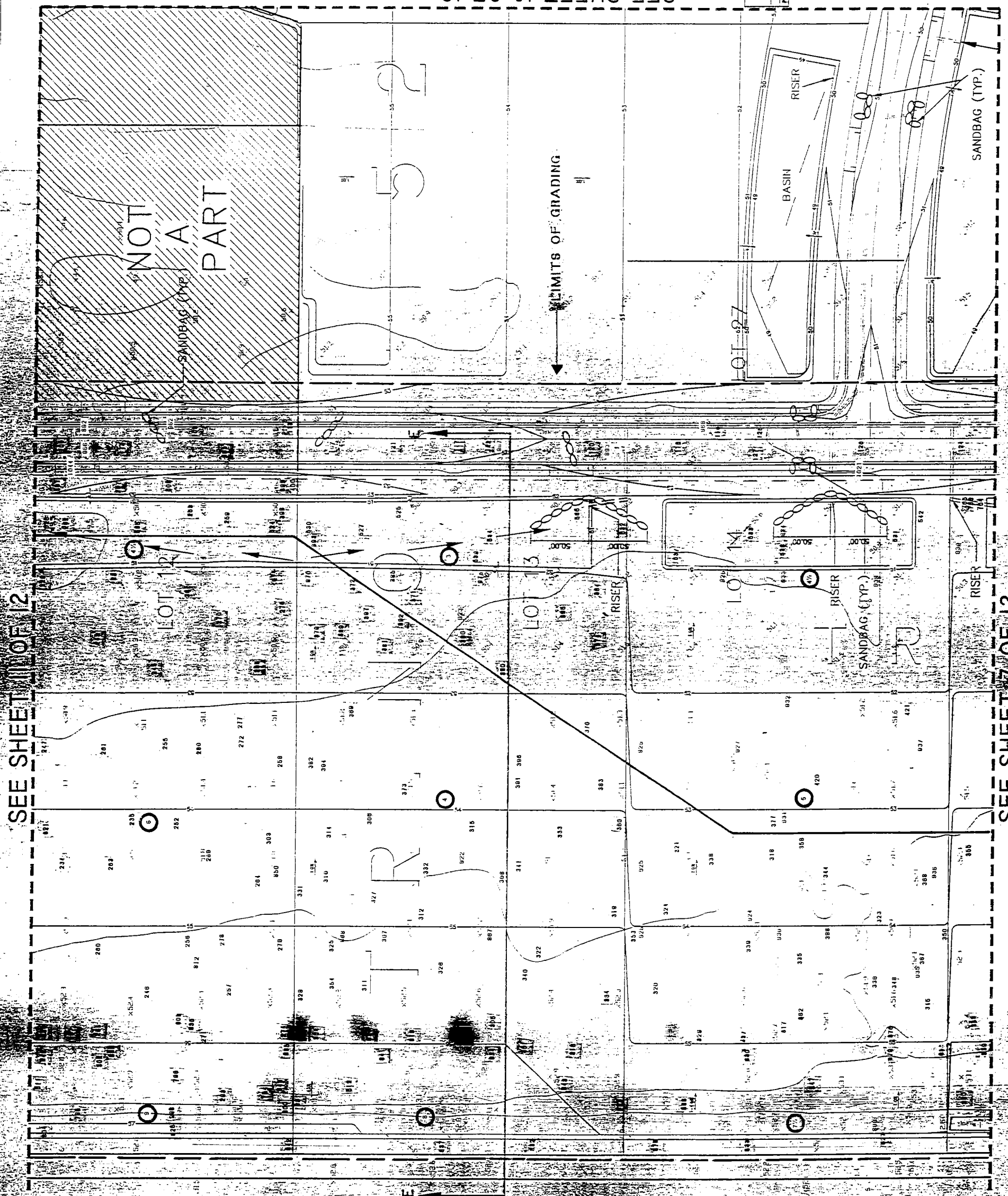
NO.	DESCRIPTION	BY	DATE	CHK

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS
PROJECT: 5938 888 DATE: OCTOBER 1998
LOCATION OF COMPACTION TESTS
FIGURE 5 OF 6



○ = DEPTHS OF TRENCHES FOR INLETS

SEE SHEET 10 OF 12



SEE SHEET 11 OF 12

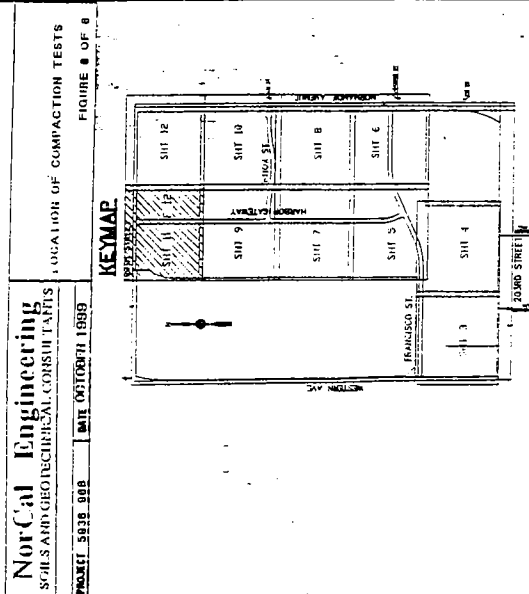
SEE SHEET 7 OF 12

DRAWN: J.V.
DATE: 04/10/98
CITY: P.C.
REVISION NO.
JOB NO. SP3289

BOEING REALTY CO.
4050 LAKEWOOD BLVD., 8TH FLOOR
LONG BEACH, CA 90805-1700
HARBOR GATEWAY
LOS ANGELES, CA

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San Diego, CA
San Jose, CA
Sacramento, CA
Phoenix, AZ
TAT & ASSOCIATES, INC.



NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

1" = 10' HORIZONTAL SCALE
1" = 4' VERTICAL SCALE

SEE SHEET 12 OF 12

SEE SHEET 9 OF 12

